



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

MARIS Proposal

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Today...

- Review Legacy Data Systems
- MARIS Overview
- Discussion



Air Quality Data

FY 2018 Activities

- 69,534 Asbestos Notifications Received
- 589 Permit to Install Actions
- 1,369 Facility Inspections by AQD Staff
- 2,737 Air Pollution Complaints received
- 1,685 Emissions Reports Received & Processed
- \$9.1 million in Air Quality Fees Assessed



Air Quality Data Functions

- Compliance / Enforcement Tracking
- Air Use Permit Evaluation / Tracking
- Electronic Asbestos Notifications
- Annual Emission Reports for AQ Fee Invoicing
- Air quality trends tracking
- Record sharing (i.e. EPA)
- Support requirements of existing laws



Existing Legacy Data Systems

- Permitting
 - PTI Tracker MS-Access database
 - Permit Cards
- Compliance and Enforcement
 - MACES - Michigan Air Compliance and Enforcement System
 - ANS - Asbestos Notification System
 - MERP - Michigan Environmental Results Program (Dry Cleaning Database)
- Emissions Inventory/Air Quality Fees
 - MAERS -Michigan Air Emissions Reporting System

Why Upgrade?

AQD's need to upgrade and consolidate:

- Maximize efficiencies
- Improve user experience
- Lean process improvement recommendations
- U.S.EPA data collection and reporting requirements
- DTMB assessments of the current technology

Proposed MARIS System

- Comprehensive Air Quality Management System supporting 90% of AQD's Programs
- Consolidate 8 existing systems (3 core, 6 ancillary)
- Provide for electronic submittal of permit applications and compliance documents by regulated stakeholders
- Single sign-on functionality for regulated community could be leveraged by other environmental programs
- Public portal to provide data and transparency, alleviate FOIA burden
- Efficient exchange of data with EPA
- Improve data quality, integrity, and security
- Significant efficiencies will be realized for regulated and state staff
- Incorporate Office of Regulatory Reinvention recommendations

Functionality

- Technology modernization
- Electronic document/report submission
- Workflow management
- Data integration across AQD
- Data flow capabilities
- Data auditing capabilities
- Calculation tools
- External/Internal interfaces
- Word processing integration
- Remote access (for in the field capture)
- Business reporting tools

WiSH LiST

- 1.
- 2.
- 3.



Program Area Benefits

- Permitting
 - Electronic submittal of permit applications resulting in shortened permitting times
- Compliance and Enforcement
 - Acceptance of electronic certification reports and other official documents
- Emissions Inventory
 - Increased data quality / integrity / security
- Overall
 - Efficiency, efficiency, efficiency
 - Ability to integrate data with other program areas within AQD
 - Improved system stability and maintenance efficiency

Key Outcomes

- Reduced time for AQD staff and stakeholders to prepare, submit, review, and process permits, emission reports and compliance information
- Central reporting website/portal for utilization by the regulated community and by other DEQ business areas
- Customized quality control measures for improved accuracy and data sequencing
- Improved data retrieval and transparency with stakeholders and other AQD business areas
- Significant reduction in staff time for processing and managing large volumes of technical data
- An estimated **\$35.6 million** in economic benefits to the regulated community and AQD stakeholders

What information would YOU be interested in seeing out of a new AQD information system?



Questions?

Michigan Department of Environment, Great Lakes, and Energy

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